

Montrose Interagency Dispatch Center

Fire Danger Pocket Card for:

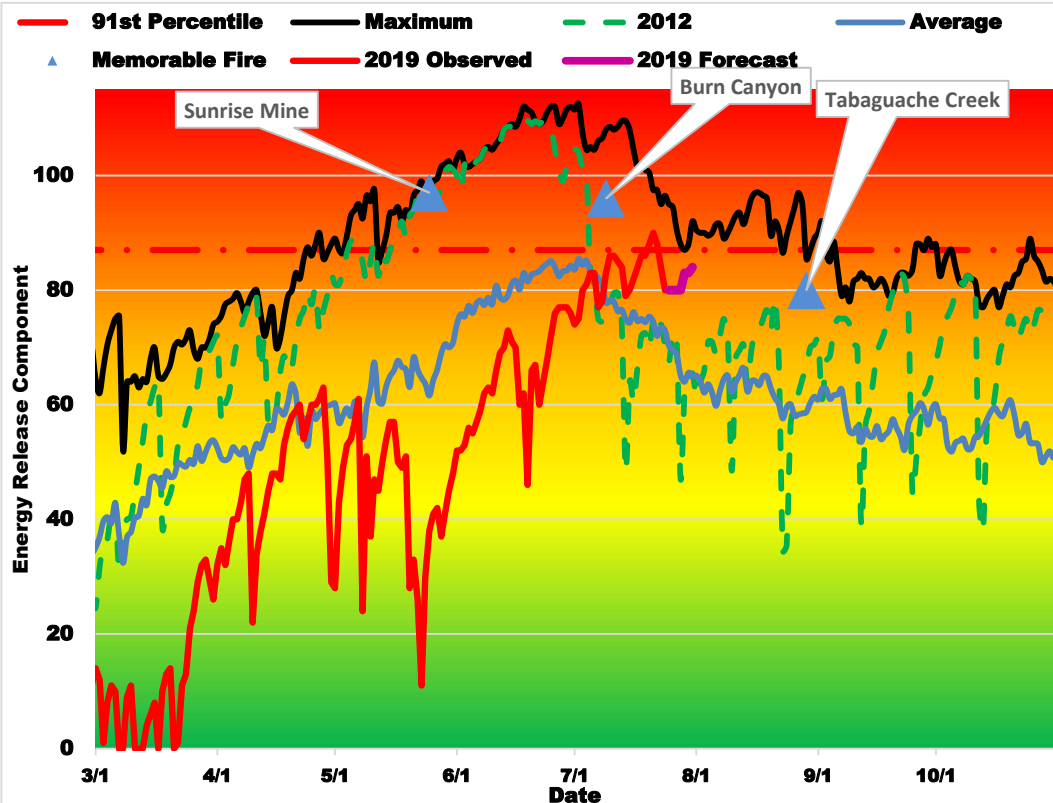
ERC - Fuel Model G - Short-Needle (Heavy Dead)

7/25/2019

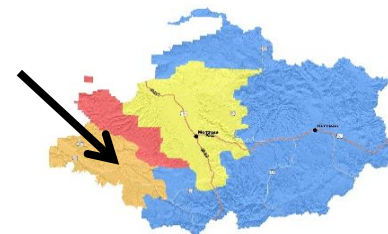
Predicted

West FDRA Local (Critical) Thresholds & Forecasts: Any of these factors will significantly increase the risk for extreme fire behavior. The more factors present, the greater the risk (Orange highlighted fields in forecast days below). The Severe Fire Weather Potential Index compares ERC and BI percentiles per day and assigns an adjective. Severe conditions only occur when both the ERC and BI are above the 97th percentile for that day. Nearly all large fire days occur under Severe SFWP ratings.

| Indicator | Critical Value | 7/25 | 7/26 | 7/27 | 7/28 | 7/29 | 7/30 | 7/31 |
|--|----------------|------|------|------|------|------|------|------|
| 20-ft wind (mph) | 10 | 9 | 9 | 10 | 9 | 6 | 7 | 7 |
| Min. RH (%) | 9 | 49 | 25 | 26 | 27 | 18 | 16 | 17 |
| Max. Temp (°F) | 88 | 89 | 88 | 88 | 89 | 90 | 91 | 91 |
| 500+ ac. ERC-g | 87 | 80 | 80 | 80 | 80 | 83 | 83 | 84 |
| 500+ ac. BI-g | 84 | 69 | 58 | 57 | 60 | 56 | 59 | 57 |
| Severe Fire Weather Potential Index (wfas.net) | | Low | Low | Low | Low | Low | Low | Low |



West FDRA (in orange)



West Fire Danger Rating Area large fires generally occur when ERC is 87 or greater in combination with other local threshold values. Valley bottoms in this FDRA rise up to steep mesas and ridges, with fuels ranging from riparian, grasslands, shrublands, and Pinyon/Juniper woodland. Both tamarisk and cheat grass are abundant and can burn with high intensity and high rates of spread. In wet years, cheat grass dominates many of the low elevation areas. Gambel oak can burn intensely when live foliar moisture is less than 95%.

West FDRA Memorable Fires

| Fire | Date | Size (ac.) | ERC | BI | RH (%) | Temp (°F) | Wind |
|------------------|-----------|------------|-----|-----|--------|-----------|------|
| Burn Canyon | 7/9/2002 | 30,292 | 96 | 75 | 14 | 97 | 7 |
| Sunrise Mine | 5/25/2012 | 5,742 | 97 | 124 | 7 | 79 | 16 |
| Tabaguache Creek | 8/29/2009 | 935 | 80 | 69 | 12 | 91 | 7 |

Fires which occurred under similar ERC & BI as forecast this week (Total Acreage Shown)

| Fire | Date | Size (ac.) | ERC | BI | RH (%) | Temp (°F) | Wind |
|---------------|-----------|------------|-----|----|--------|-----------|------|
| Patterson Mtn | 8/29/2009 | 5 | 80 | 69 | 12 | 91 | 7 |
| Thunder Road | 6/5/2005 | 3 | 72 | 66 | 16 | 75 | 8 |
| Cottonwood | 7/15/2011 | 1 | 68 | 68 | 9 | 89 | 9 |
| Long Mesa Wfu | 8/30/2008 | 1 | 71 | 63 | 16 | 89 | 7 |

West FDRA Special Interest Group Information

| RAWS (in SIG) | Number | Elevation | Data Years | FWZ | Fuel Model |
|---------------|--------|-----------|------------|-----|------------|
| Nucula* | 53807 | 5,820 | 1998-2014 | 290 | 7G |
| Chapin* | 55704 | 7,126 | 1994-2014 | 207 | 7G |

* Station complies with NWCG Weather Station Standards (PMS 426-3)

